Coding with Pixels

Kit contains:

- 25 colorful foam squares
- 2 white foam squares
- 2 black circles
- 1 pixel mat

You will need: glue.

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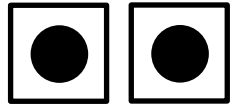
INSTRUCTIONS

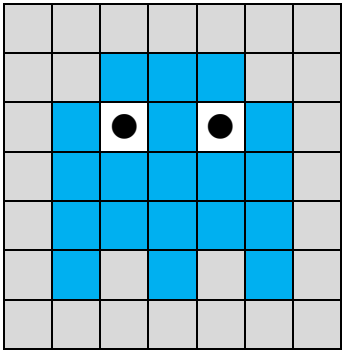
Prep work. Glue the black circles to the white squares to make 2 eyeball pixels.



Ready... Set... Code! Follow the coding patterns to create pictures using your eyeball pixels and color pixels (squares) on the gray mat. Each row of code corresponds to a row on your mat. (**Note:** Tile color may vary.)

CODING PATTERN 1 (EXAMPLE)

7							7 gray (empty) squares
2	**3**	**2**					2 gray, 3 color, 2 gray
1	**1**	●	**1**	●	**1**	**1**	1 gray, 1 color, 1 eye, 1 color, 1 eye, 1 color, 1 gray
1	**5**	**1**					1 gray, 5 color, 1 gray
1	**5**	**1**					1 gray, 5 color, 1 gray
1	**1**	**1**	**1**	**1**	**1**	**1**	1 gray, 1 color, 1 gray, 1 color, 1 gray, 1 color, 1 gray
7							7 gray



If you follow coding pattern 1, you make this picture.

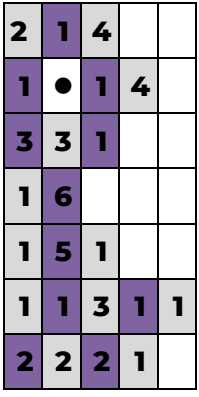
CODING PATTERN 2

3	3	1		
3	2	●	1	
3	4			
5	2			
1	4	2		
1	1	2	1	2
1	1	2	1	2

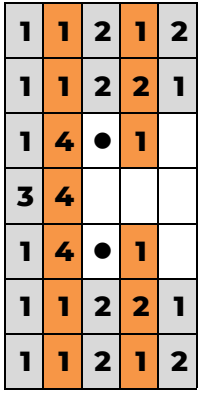
CODING PATTERN 3

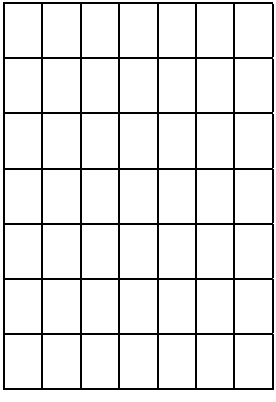
3	1	3				
2	3	2				
1	5	1				
1	1	●	1	●	1	1
7						
2	1	1	1	2		
1	2	1	2	1		

CODING PATTERN 4



CODING PATTERN 5





CHALLENGE!

Design your own picture on the pixel mat. Then write the code in the empty pattern grid.